

ABSTRACT

GAS TURBINE INLET FLOW STRAIGHTENER

A radial inlet assembly comprising a radial inlet adapted to be in fluid communication with a compressor, and a restricting member covering the radial inlet and receiving a circumferentially asymmetric airflow, the restricting member partially blocking the airflow around the radial inlet, the restricting member blocking a greater portion of the airflow where the airflow is greater to circumferentially redistribute the airflow in a more symmetric manner in the radial inlet.